

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P852924

Luminaire Tested: **GLAN-SB7B-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

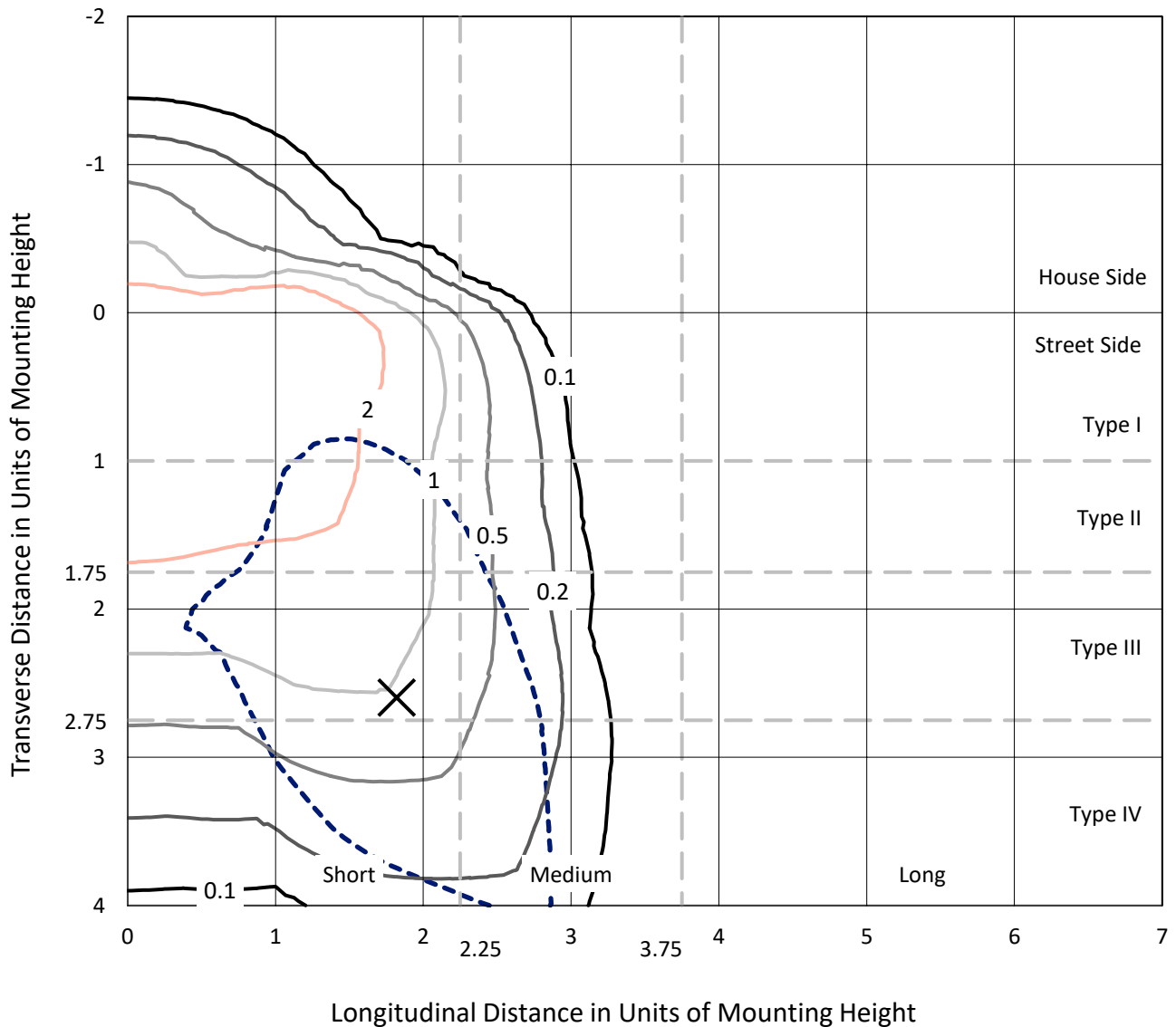
Lumens per Lamp: N/A  
Luminaire Lumens: 20456 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

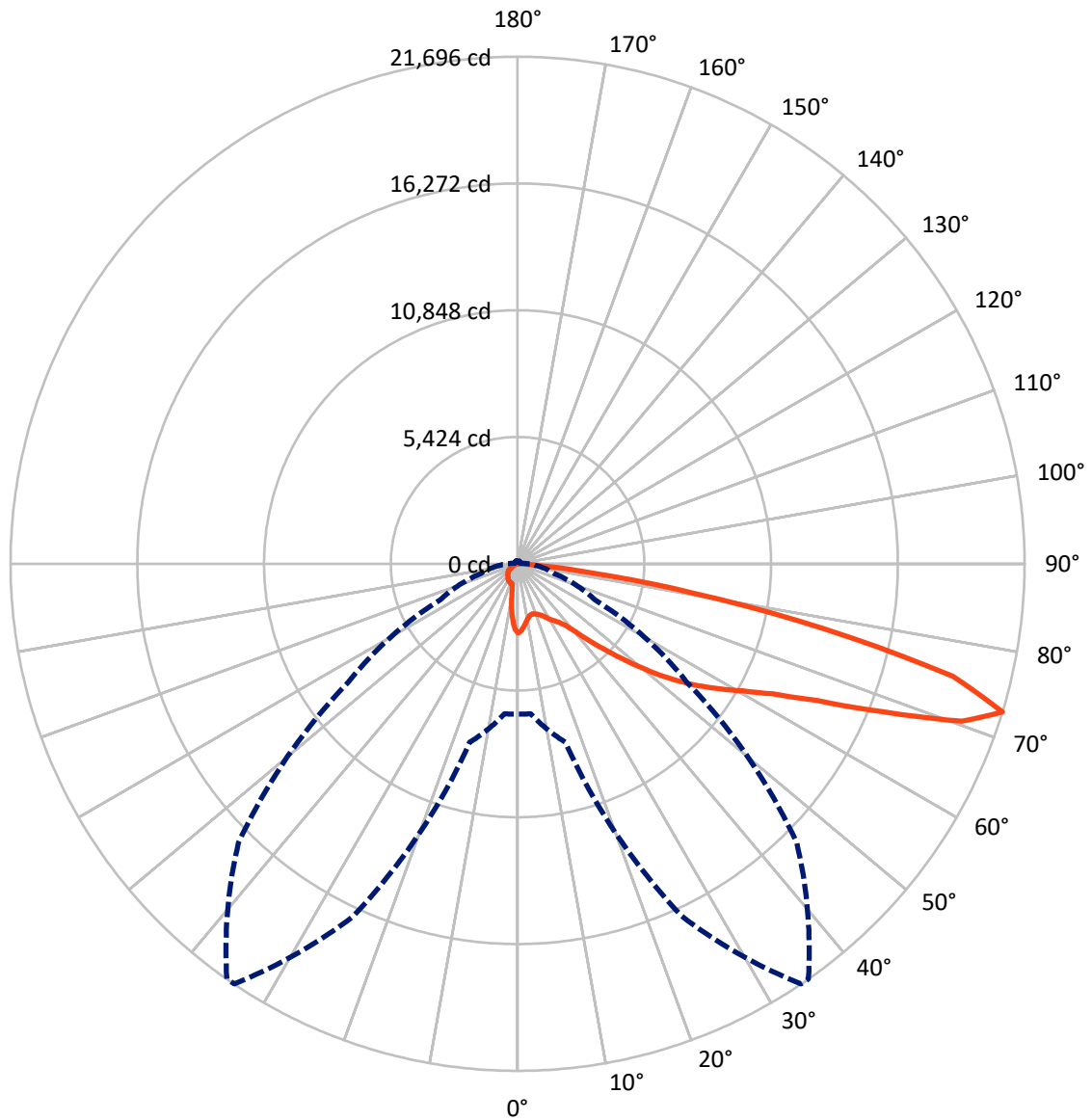
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2302.2	0.0	2302.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	18153.8	0.0	18153.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	20456.0	0.0	20456.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.6	1.2
10°-20°	569.9	2.8
20°-30°	925.8	4.5
30°-40°	1544.8	7.6
40°-50°	2922.7	14.3
50°-60°	4644.2	22.7
60°-70°	5745.2	28.1
70°-80°	3571.2	17.5
80°-90°	288.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20456.0	100.0
0°-180°	20456.0	100.0

**Coefficient of Utilization**

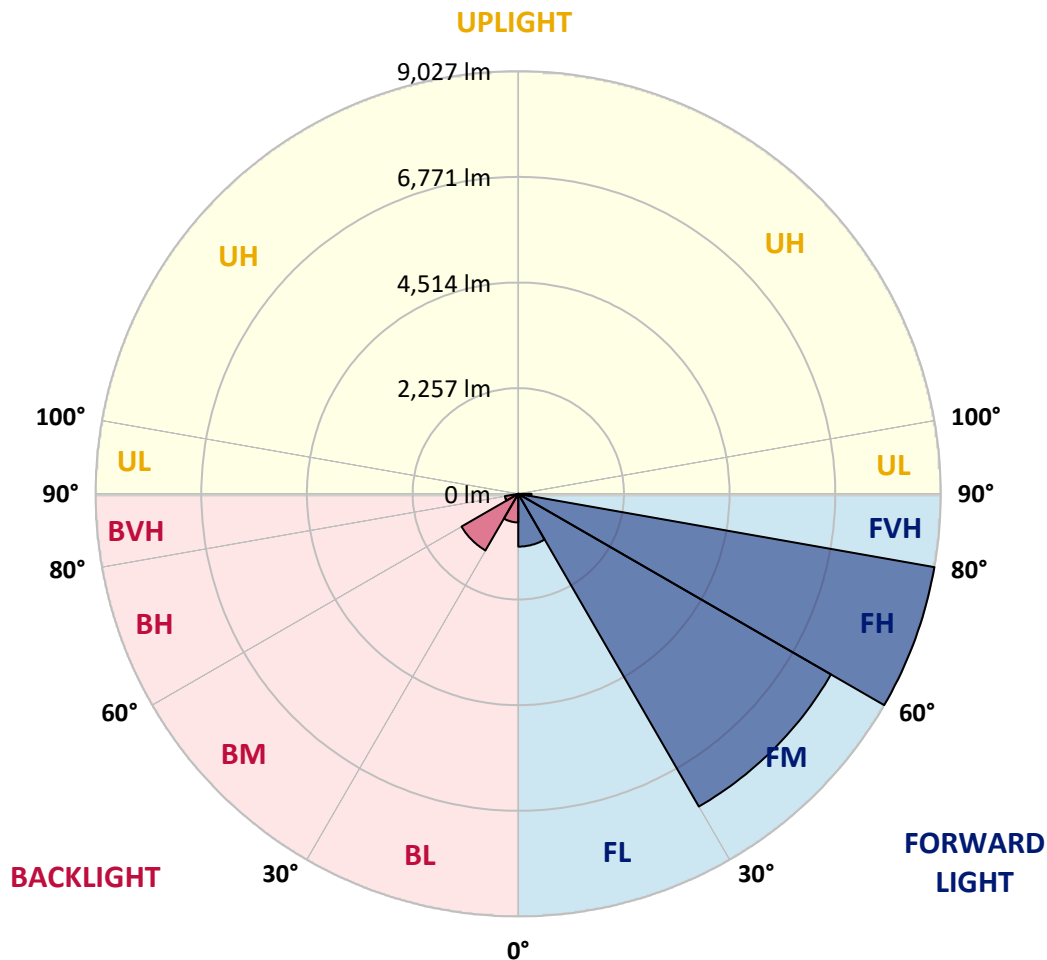


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.6	5.5			
FM (30°-60°)	7714.0	37.7			
FH (60°-80°)	9027.5	44.1			G4/12000
FVH (80°-90°)	284.7	1.4			G3/500
BL (0°-30°)	611.7	3.0	B2/1000		
BM (30°-60°)	1397.7	6.8	B2/2500		
BH (60°-80°)	288.9	1.4	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8
2.5°	2832.9	2856.8	2861.3	2868.8	2868.8	2877.8	2892.8	2913.8	2948.3	2966.3
5°	2611.0	2629.0	2651.5	2669.5	2704.0	2708.5	2766.9	2823.9	2903.3	2963.3
7.5°	2387.7	2408.7	2438.7	2482.1	2527.1	2540.6	2629.0	2724.9	2850.8	2963.3
10°	2230.3	2231.8	2258.8	2302.3	2374.2	2390.7	2498.6	2635.0	2792.4	2945.3
12.5°	2141.9	2152.4	2164.4	2197.3	2266.3	2276.8	2392.2	2552.6	2733.9	2934.8
15°	2141.9	2149.4	2156.9	2173.4	2228.8	2237.8	2339.7	2500.1	2704.0	2939.3
17.5°	2164.4	2176.4	2170.4	2189.8	2248.3	2254.3	2344.2	2485.1	2702.5	2967.8
20°	2218.3	2227.3	2215.3	2227.3	2285.8	2297.8	2390.7	2513.6	2727.9	3017.2
22.5°	2303.8	2308.3	2279.8	2288.8	2348.7	2363.7	2471.6	2594.5	2789.4	3096.7
25°	2411.7	2420.7	2377.2	2387.7	2444.7	2462.6	2587.0	2715.9	2886.8	3206.1
27.5°	2536.1	2540.6	2503.1	2501.6	2575.1	2600.5	2726.4	2865.8	3017.2	3344.0
30°	2678.5	2692.0	2656.0	2650.0	2742.9	2763.9	2888.3	3050.2	3209.1	3550.8
32.5°	2790.9	2801.4	2780.4	2795.4	2889.8	2906.3	3084.7	3311.0	3510.3	3844.6
35°	2952.8	2958.8	2910.8	2937.8	3045.7	3087.7	3353.0	3676.7	3889.6	4213.3
37.5°	3538.8	3538.8	3335.0	3201.6	3305.0	3342.5	3720.2	4136.9	4357.2	4707.9
40°	4349.7	4336.2	4037.9	3765.2	3751.7	3825.1	4243.3	4716.9	4961.3	5301.5
42.5°	5214.6	5193.6	4787.4	4517.6	4472.6	4498.1	4847.3	5431.9	5680.7	6025.4
45°	5982.0	5976.0	5604.3	5241.5	5160.6	5241.5	5601.3	6268.3	6446.6	6809.4
47.5°	6625.0	6625.0	6353.7	6116.9	6074.9	6122.9	6622.0	7196.1	7179.6	7644.2
50°	7365.4	7359.4	7101.6	6999.7	7043.2	7110.6	7797.1	8173.3	7938.0	8464.1
52.5°	7884.0	7920.0	7831.6	7815.1	8036.9	8153.8	8990.2	9129.6	8617.0	9242.0
55°	8294.7	8336.7	8438.6	8554.0	8981.2	9134.1	10145.8	10036.4	9185.1	9916.5
57.5°	8876.3	8816.3	8973.7	9201.5	9892.5	10076.9	11265.5	10892.3	9642.2	10463.6
60°	9582.3	9591.3	9618.2	9906.0	10802.3	11039.2	12368.7	11701.7	9936.0	10799.3
62.5°	10430.6	10444.1	10499.6	10941.7	12023.9	12247.2	13543.8	12364.2	10070.9	10704.9
65°	10372.2	10429.1	11048.2	12560.5	13881.0	14101.3	14915.2	12828.8	9867.0	9841.6
67.5°	9448.9	9541.8	10577.5	14494.1	16680.9	16926.7	16573.0	12920.2	8987.2	7653.2
70°	8237.8	8270.8	9516.3	16232.7	19922.9	20171.8	18056.9	11914.5	6819.8	4268.8
72.5°	6433.1	6440.6	7902.0	16635.9	21682.6	21696.1	16892.2	8844.8	3667.7	1639.8
75°	4595.5	4550.6	5292.5	13491.3	19076.1	19229.0	12663.9	4148.9	1401.4	774.9
77.5°	2464.1	2513.6	2994.7	8001.0	13178.0	13438.8	6909.8	1196.1	713.5	527.6
80°	761.4	803.4	1227.6	3663.2	7464.4	7621.7	2561.6	532.1	497.6	376.2
82.5°	239.8	248.8	572.6	1539.3	3098.2	3170.1	741.9	301.3	340.2	248.8
85°	68.9	70.4	254.8	574.1	765.9	780.9	208.3	116.9	194.9	154.4
87.5°	7.5	24.0	95.9	95.9	67.4	66.0	22.5	25.5	55.5	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2964.8	0°	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8	2964.8
2978.3	2.5°	2970.8	2972.3	2952.8	2919.8	2883.8	2853.8	2816.4	2786.4	2765.4	2759.4
3005.2	5°	2991.7	2981.2	2925.8	2825.4	2705.5	2602.0	2486.6	2395.2	2335.2	2309.8
3033.7	7.5°	3023.2	2993.2	2871.8	2674.0	2444.7	2240.8	2034.0	1873.6	1771.7	1720.7
3060.7	10°	3050.2	2990.2	2781.9	2455.1	2104.4	1795.6	1516.9	1323.5	1215.6	1164.6
3092.2	12.5°	3075.7	2988.7	2665.0	2195.8	1720.7	1343.0	1083.7	987.8	957.8	947.3
3143.1	15°	3123.6	2993.2	2518.1	1899.1	1338.5	1014.7	920.3	918.8	924.8	921.8
3221.1	17.5°	3189.6	2997.7	2351.7	1584.3	1032.7	894.8	890.3	903.8	912.8	908.3
3318.5	20°	3275.0	3015.7	2174.9	1272.5	887.3	864.8	875.3	887.3	894.8	887.3
3448.9	22.5°	3394.9	3047.2	1981.5	1022.2	840.9	846.9	855.9	869.3	876.8	866.3
3615.3	25°	3541.8	3096.7	1791.1	888.8	818.4	825.9	839.4	854.4	863.3	852.9
3825.1	27.5°	3732.2	3176.1	1615.8	858.9	795.9	800.4	819.9	842.4	854.4	840.9
4123.4	30°	4008.0	3306.5	1464.4	872.3	782.4	771.9	798.9	830.4	843.9	831.9
4529.6	32.5°	4373.7	3490.9	1371.5	893.3	776.4	738.9	764.4	804.9	827.4	819.9
5060.2	35°	4853.3	3771.2	1335.5	917.3	771.9	704.5	722.5	765.9	804.9	812.4
5728.7	37.5°	5434.9	4160.9	1346.0	927.8	758.4	676.0	685.0	722.5	773.4	797.4
6481.1	40°	6095.9	4615.0	1405.9	917.3	743.4	652.0	653.5	682.0	727.0	762.9
7290.5	42.5°	6777.9	5145.6	1516.9	878.3	729.9	631.0	626.5	646.0	676.0	701.5
8098.4	45°	7426.9	5691.2	1626.3	824.4	713.5	610.0	599.5	607.0	613.0	623.5
8885.3	47.5°	7993.5	6074.9	1594.8	774.9	691.0	586.1	568.1	565.1	547.1	545.6
9588.3	50°	8384.7	6158.8	1416.4	725.5	658.0	559.1	530.6	512.6	481.1	466.1
10114.4	52.5°	8509.1	5827.6	1157.1	676.0	604.0	523.1	482.6	454.2	415.2	401.7
10417.1	55°	8344.2	5178.6	924.8	616.0	529.1	475.1	430.2	392.7	361.2	344.7
10450.1	57.5°	7941.0	4352.7	731.4	545.6	449.7	421.2	376.2	338.7	311.8	295.3
10084.4	60°	7272.5	3456.4	578.6	461.7	383.7	362.7	316.3	292.3	268.3	248.8
9140.1	62.5°	6257.8	2467.1	454.2	365.7	320.8	296.8	269.8	251.8	223.3	196.4
7441.9	65°	4883.3	1509.4	350.7	268.3	257.8	245.8	229.3	212.8	178.4	151.4
4854.8	67.5°	3080.2	715.0	250.3	202.3	203.8	197.9	190.4	176.9	151.4	127.4
2174.9	70°	1356.5	346.2	164.9	154.4	151.4	151.4	157.4	152.9	128.9	106.4
755.4	72.5°	461.7	185.9	122.9	116.9	109.4	107.9	131.9	127.4	103.4	82.4
376.2	75°	241.3	124.4	89.9	83.9	66.0	79.4	104.9	98.9	73.4	54.0
248.8	77.5°	157.4	88.4	61.5	54.0	37.5	52.5	77.9	68.9	43.5	27.0
163.4	80°	98.9	58.5	36.0	25.5	18.0	28.5	42.0	30.0	16.5	6.0
95.9	82.5°	52.5	30.0	13.5	9.0	7.5	9.0	10.5	7.5	3.0	0.0
49.5	85°	21.0	10.5	4.5	3.0	1.5	0.0	3.0	1.5	0.0	0.0
9.0	87.5°	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



180°
2964.8
2769.9
2318.7
1728.2
1166.1
944.3
920.3
906.8
885.8
864.8
851.4
840.9
830.4
819.9
812.4
803.4
774.9
712.0
629.5
544.1
467.6
400.2
344.7
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